



HYNER TECHNOLOGY

RESIDENTIAL SOLUTIONS

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HYNER High Voltage Residential Energy Storage System (H2-H7)

Designed for residential backup power, solar PV integration, and small commercial energy storage. Provides safe, reliable, and scalable energy storage with modular design, long cycle life, and intelligent management.



Technical Specification

No	Item	General Parameter	Remark
1	System Type	High Voltage Residential ESS	Models 5000-H2 to 5000-H7
2	Number of Modules	H2: 2 / H3: 3 / H4: 4 / H5: 5 / H6: 6 / H7: 7	Modular stackable
3	Rated Voltage	H2: 204.8 V / H3: 307.2 V / H4: 409.6 V / H5: 512 V / H6: 614.4 V / H7: 716.8 V	—
4	Operating Voltage Range	H2: 182.4–224.64 V / H3: 273.6–336.96 V / H4: 364.8– 449.28 V / H5: 456–561.6 V / H6: 547.2–673.92 V / H7: 638.4–786.24 V	—
5	Nominal Energy Capacity	H2: 10 kWh / H3: 15 kWh / H4: 20 kWh / H5: 25 kWh / H6: 30 kWh / H7: 35 kWh	—
6	Available Energy Capacity	H2: 9 kWh / H3: 13.5 kWh / H4: 18 kWh / H5: 22.5 kWh / H6: 27 kWh / H7: 31.5 kWh	Usable energy
7	Rated Current	25 A (Charge/Discharge)	Same across models
8	Maximum Current	35 A (Charge/Discharge)	Same across models

*This data sheet may change without notice at the sole discretion of the manufacturer.



9	Rated Charge/Discharge Power	H2: 5.12 kW / H3: 7.68 kW / H4: 10.24 kW / H5: 12.8 kW / H6: 15.36 kW / H7: 17.92 kW	—
10	Dimensions (W×H×D)	H2: 720×700×335 / H3: 720×900×335 / H4: 720×1100×335 / H5: 720×1300×335 / H6: 720×1500×335 / H7: 720×1700×335	—
11	Weight	H2: 100 kg / H3: 145 kg / H4: 190 kg / H5: 235 kg / H6: 280 kg / H7: 325 kg	—
12	Protection Class	IP65	Indoor/Outdoor
13	Cooling Method	Natural cooling	—
14	Operating Temperature	Charge: 0°C–55°C / Discharge: - 20°C–60°C	—
15	Relative Humidity Range	5–95%	—
16	Installation Method	Floor-Mounted	—
17	Maximum Altitude	3000 m	—
18	Cycle Life	≥ 6000 cycles	LFP cells
19	Standards	UN38.3 / IEC62619 / IEC62040-1	Compliance

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